

**Abstract of the Disclosure**

A disc drive which records data on a disc includes a clock generator which generates a clock signal that is synchronized with a transmission speed of a received signal, a pickup unit which records recording data corresponding to the received signal on the disc, and a recording processing unit which converts the received signal into the recording data by synchronizing with the clock signal generated from the clock generator and provides the converted recording data to the pickup unit. A spindle motor driving unit controls a rotation speed of a spindle motor by using the clock signal generated from the clock generator and the received signal is from a channel receiver without a medium between the channel receiver and the disc drive to interface the transmission speed of the received signal outputted from the channel receiver with a recording speed of the disc drive.